AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Please amend Claims 1 and 10 as follows:

1.   (Currently Amended) A method for providing and processing a cursored user interaction with a spatially displayed medical image and ~~for~~ producing graphics related data on ~~such~~ said medical image, wherein said method comprises the steps of:

providing a menu-less graphical interface for displaying, <u>essentially unobstructed,</u> said medical image <u>in a substantial portion of said menu-less graphical interface</u>;

controlling a mouse computer interface device, having at least one button;

displaying a pointer symbol on said graphical interface, wherein said pointer symbol represents a current position of said mouse on said graphical interface;

tracking a status of each of said at least one button;

detecting a position for said mouse, wherein said position detection step is activated upon actuation of one of the at least one button; and

<u>generating a measurement graphic related to a predefined set of measurement operations on said medical image upon at least one actuation of the at least one button</u> ~~providing a predefined interaction with said medical image, wherein said interaction is selected from a group~~

~~of predefined interactions based on said status of each of said at least one button during the~~

~~interval between multiple said position detection steps~~.

2.   (Original) A method as claimed in Claim 1, wherein a single-point

actuating/positioning assigns an actual pixel position and/or a pixel intensity quantity to the point

in question.

3.   (Original) A method as claimed in Claim 1, wherein a point pair

actuating/positioning assigns a distance value to the pair in question.

4.   (Original) A method as claimed in Claim 1, wherein a triple-point

actuating/positioning assigns an angle value quantity to a middle point of the triple.

5.   (Original) A method as claimed in Claim 1, wherein multiple-point

actuating/positioning for an open or closed point sequence assigns an area value quantity to a

concave region delimited by the sequence in question.

6.   (Original) A method as claimed in Claim 1, wherein a freehand-drawn

actuating/positioning for an open or closed curve assigns an area value quantity to a concave

region delimited by said curve.

7.   (Original) A method as claimed in Claim 1, wherein multiple-point

actuating/positioning for an open or closed sequence assigns a poly-line measurement quantity to

the sequence so drawn.

8.   (Original) A method as claimed in Claim 1, wherein a freehand-drawn

actuating/positioning for an open or closed sequence assigns a measurement quantity to the

freehand sequence so drawn.

9.   (Original) A method as claimed in any of Claims 2 to 8, and furthermore

assigning a pixel staticizing to an assigned geometrical entity.

10.   (Currently Amended) An apparatus being arranged to provide and process a

cursored user interaction with a spatially displayed medical image, wherein said apparatus

comprises:

a menu-less graphical interface for displaying, essentially unobstructed, said

medical image in a substantial portion of said menu-less graphical interface;

a pointing device having at least one button, wherein said pointing device is

represented by said graphical interface by a standardized pointer symbol and wherein said

pointer symbol represents a current position of said pointing device within the context of

said graphical interface;

a processor configured to detect an actuation of each of said at least one button of

said pointing device and track positions of said pointing device; and

a processor-internal list of measurement operations, said measurement operations

are performed upon at least one actuation of the at least one button, and produce

corresponding measurement graphics on said medical image predefined interactions

performable on said medical image, wherein a specific interaction of said list of

~~predefined interactions is selected and executed based on said actuation of each of said at least one button and said positions of said pointing device.~~

11. (Original) An apparatus as claimed in Claim 10, and having assigning means for upon a single-point actuating/positioning assigning an actual pixel position and/or a pixel intensity quantity to the point in question.

12. (Original) An apparatus as claimed in Claim 10, and having assigning means for upon a point pair actuating/positioning assigning a distance value to the pair in question.

13. (Original) An apparatus as claimed in Claim 10, and having assigning means for upon a triple-point actuating/positioning assigning an angle value quantity to a middle point of the triple.

14. (Original) An apparatus as claimed in Claim 10, and having assigning means for upon a multiple-point actuating/positioning for an open or closed point sequence assigning an area value quantity to a concave region delimited by the sequence in question.

15. (Original) An apparatus as claimed in Claim 10, and having assigning means for upon a freehand-drawn actuating/positioning for an open or closed curve assigning an area value quantity to a concave region delimited by said curve.

16. (Original) An apparatus as claimed in Claim 10, and having assigning means for upon a multiple-point actuating/positioning for an open or closed sequence assigning a poly-line measurement quantity to the sequence so drawn.

17.   (Original) An apparatus as claimed in Claim 10, and having assigning means for upon a freehand-drawn actuating positioning for an open or closed sequence assigning a measurement quantity to the freehand sequence so drawn.

18.   (Original) An apparatus as claimed in any of Claims 11 to 17, and having staticizing means for furthermore assigning a pixel staticizing to an assigned geometrical entity.

19.   (Previously Presented) A machine readable computer program, said program implementing a menu-less graphical interface and arranged for processing cursored user interaction with a spatially displayed medical image for producing graphics related data on such image, for implementing a method as claimed in Claim 1, said program being characterized by being arranged for sensing mouse positionings and/or actuations and for on the basis thereon effecting inherent measuring functionalities as being based on relative such positionings with respect to an associated imaged medical object, and for subsequently outputting representations of said measuring functionalities for displaying in association with said medical object.